	er ID 66803 ary 28, 2011 10:03:01 AM									Page 1
tem ID: Revision ID:	D3188-2M		Accept				s	-	tart	
tem Name: Start Date: Required Date: Reference:	SPACEPOD BODY RH 2/28/2011			Cust Item I Customer:	D:					
Approvals:	Process Plan:	Date: 11/02/2	Tooling:	Da	ite:		R			
	QC:	Date:	_ SPC (Y/N):	Da	nte:			S	Stop	
Sequence ID/ Work Center II	Operation Description		Set Up/ Run Hours	Tool ID	Tool#	Plan Code	Accept Qty	Reject Qty	t Reject Numbe	Insp. er Stamp
Draw Nbr	Revision Nbr									
D3188	Rev F									
Purchasing	Description	<u>+3 565</u> ::D3188-2MBODY	0.00				_c&	\	1102/2	8_0_
	Supplier: D Conformity	(8) D2213 Spacers relastek Certificate and Process shows from Previous steps	eet required							

110

Receive & Inspect for Damage & Mat'l Certs

0.00

Pujon O

Packaging

Memo

attached.

0.00

Packaging

Ensure a copy of certification of conformity and process sheet from Delastek is

Dart Aerospace Ltd

_									
W/O:			W	ORK ORDER CHANG	ES			***************************************	
DATE	STEP	PRO	OCEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
				•					
Part No	:	PAR #:	Fault Cate	egory:	_ NCR: Yes	No DQ	A :	_ Date: _	
	R	esolution:	Disposition	on:	_ QA: N/C C	losed:		Date: _	
NCR:			WORK ORD	ER NON-CONFORM	ANCE (NC	R)			
DATE	STEP	Description of NC			tion B	Verific	cation	Approval	Approval
DAIL	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date		ion C	Chief Eng	QC Inspector
						:			
-									
	Ē								

NOTE: Date & initial all entries

Work Order ID 66803

Page 2

Monday, February 28, 2011 10:03:01 AM

Item ID:

D3188-2M

Accept

Setup Start



Revision ID:

Item Name:

SPACEPOD BODY RH

Start Date:

2/28/2011

Start Qty: 1.00

Req'd Qty: 1.00

Cust Item ID:

Customer:

Tool ID

Reference:

Approvals:

Process Plan:

Operation

Description

Date: Tooling:

Date:

Run

Start

Stop



Required Date: 3/25/2011

QC:

Date:

SPC (Y/N):

Set Up/

Run Hours

Date:

Tool # Plan

Code

Accept Qty

Reject Reject Qty Number

Stop

Insp. Stamp

120

Sequence ID/

Work Center ID

Quality Control

Memo

QC6- Inspect dimensions to drawing

Identify as per dwg & Stock Location:

Memo

Check for void spot and pins.

0.00

5 ulocelia

130

Packaging Packaging

0.00

811-06-2

140

Quality Control

OC21- Final Inspection - Work Order Release

0.00

Memo

0.00

Dart Aerospace Ltd

Duitho	oopaoc	Liu							
W/O:			WC	RK ORDER CHANG	GES				
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No		PAR #:							
	Re	esolution:	Dispositio	า:	QA: N/C C	losed:		Date: _	
NCR:			WORK ORDI	ER NON-CONFORM	ANCE (NC	₹)			
DATE	STEP	Description of NC Section A	Initial	Corrective Action Sec Action Description	ction B Sign		cation ion C	Approval Chief Eng	Approval QC Inspector
		Section A	Chief Eng	Chief Eng	Date			Chief Eng	QC Inspector
								,	
]						1		1	1

NOTE: Date & initial all entries

Picklist Print

Monday, February 28, 2011 10:02:58 AM

Work Order ID: 66803

D3188-2M Parent Item:

Parent Item Name:

SPACEPOD BODY RH

Start Date: 2/28/2011

Required Date: 3/25/2011

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP Rev:A New issue ecn882

IPP rev B rev D dwg

06-11-30 EC 07.03.07 ec

IPP rev C

rev E dwg

07.04.16 EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2213		Manufactured	No			100	Each	187.0000	8	8			
											11/05/	a8−	}

Insert

Location Loc Qty Loc Code ST008 187 11 30107

30809

176 110

0.0000

D3188-2P

Purchased

No

Each

-[cujof27 (c)

Spacepod Body

B 66803

Dart Aerospace Ltd

·ospase									
ļ	•	WO	RK ORDER CHANG	ES					
STEP	PRC	OCEDURE CHAN	IGE	Ву		Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			·						
):	PAR #:	Fault Categ	jory:	NCR: Ye	es No	DQ/	A :	Date: _	
Re	esolution:	Disposition	ı:	_ QA: N/C	Clos	ed:		Date: _	
	\	WORK ORDE	ER NON-CONFORMA	NCE (N	CR)				
CTED	Description of NC					Verific	ation	Approval	Approval
SIEP	Section A	Initial Chief Eng	Action Description Chief Eng			Secti	on C	Chief Eng	QC Inspector
						112		·	
							·		
	STEP	STEP PRO PRO PAR #: Resolution: Description of NC	STEP PROCEDURE CHAN PROCEDURE CHAN PAR #: Fault Catego Resolution: Disposition WORK ORDE STEP Description of NC Section A Initial	WORK ORDER CHANGE STEP PROCEDURE CHANGE :PAR #:Fault Category: Resolution:Disposition: WORK ORDER NON-CONFORMA STEP Description of NC	STEP PROCEDURE CHANGE By PAR #: Fault Category: NCR: Ye Resolution: Disposition: QA: N/C WORK ORDER NON-CONFORMANCE (New York ORDER NON	WORK ORDER CHANGES STEP PROCEDURE CHANGE By C :PAR #:Fault Category:NCR: Yes Note	WORK ORDER CHANGES STEP PROCEDURE CHANGE By Date : PAR #: Fault Category: NCR: Yes No DQ/ Resolution: Disposition: QA: N/C Closed: WORK ORDER NON-CONFORMANCE (NCR) STEP Description of NC	WORK ORDER CHANGES STEP PROCEDURE CHANGE By Date Qty :PAR #: Fault Category: NCR: Yes No DQA: Resolution: Disposition: QA: N/C Closed: WORK ORDER NON-CONFORMANCE (NCR) STEP Description of NC	WORK ORDER CHANGES STEP PROCEDURE CHANGE By Date Qty Chief Eng / Prod Mgr :PAR #:Fault Category:NCR: Yes No DQA:Date:

NOTE: Date & initial all entries



Delastek inc. 2699 5e avenue Local 14, Porte -A-Grand-Mère, Québec G9T 5K7 Can ** Fax (819) 533-3494 **

PACKING SLIP.

CERTIFICATE OF COMPLIANCE

Invoice #	38589
Customer#	DART US

Telephone: (819) 533-5788 Warehouse: MAIN

DART AEROSPACE LTD
1270, Aberdeen Street
Hawksbury, Ontario K6A 1K7

Canada

Telephone: 613-632-5200 Contact: Linda Lacelle DART AEROSPACE LTD 1270, Aberdeen Street Hawksbury, Ontario K6A 1K7 Canada

Shi	p via	*	F.O.B.		Terms	Sal	esperson	
Fedex Freight Collect			Origin	Net 30 days USA		Claude Lessard, ext. 233		
Ship date	Order Date				Your PO		GST/PST#	
24/05/2011	02/03/2011	16930	Chantal 1	Lavoie	(PO13565	<u> </u>		
Order Oty	B.O. Qty	Current Ship.	Item#		Item	Description		
1	0	1 [DKC134-0071	LINE 1 N° I Dwg. D3188 R	D31882P, Spacepod Boo év.: F	dy RH B66803	U de M : Each	
				<u>No. série</u> B66803	No. lot 32551			
					S W/061	1/4		
						.•		
				· ·			· *	
·								

It is hereby certified that all materials, process and finished items were controlled and tested in accordance with the requirements of the purchase order and applicable specifications. All such records are on file at our plant and available for review upon request.

☐ Cust. ☐ Adm. ☐ Quality ☐ Ship.

Accepted by: Quality department AQ-357

7 QA-13

: SPACEPOD BODY RH

: DKC134-0071

: D3188

: DK-362

: 2011-04-13

: F

1 UdM: UNITE

Mercredi, 2011-04-06 11:22:52

Uslisateur:

Client

Pascal Carignal

Feuille de Procédé

Nom Dessin

Numéro Article

Numéro Dessin

Projet Numéro

Révision dessin

Matériel

Date Dûe

: DART US DART AEROSPACE LTD

Numéro Job : 32551 Numéro Soumission: 3763

Numéro B.A.

: 2011-04-06 Cette fois

: NC Prsht Rev.

Prem. fois

: 31896 Job précédente

Écrit par

Commentaires

Vérifié & Approuvé par

: N° de pièce Client: D3188-2

Type

No. B.V. :

Process Sheet Rév.: 03 changer le sikkens AAC1390 pour le P15-3 (AAC1492), enlever le AAC1617, changer le freekote 44-NC pour le

Wolo

B 66803

: Fibre 7781 et résine 411-350

Qté:

Produit additionnel

Numéro Job:

Séq.:

Machine ou Opération:

Description: N° 83634, Frekote Loctite Wolo

1.0

AAC1616

0.050 UNITE(s)/Unit Total:

0.050 UNITE(s)

Commentair Qty.:

N° 83634, Frekote Loctite Wolo

de Lot:_//

2.0

PRÉPARATION

Préparation du moule



0.00Hrs/ Run: 5.0000Min Total Run: 0.0833Hrs Commentair Setup:

Faire la préparation du moule selon IF134-0020.

Sceau:_ Date:

AC0883 3.0 Commentair Qty.: Tissu à délaminer Release ply B

Total: 9.84 VERGE(s)/Unit

9.84 VERGE(s)

AC0884 4.0

9.27 VERGE(s) Total:

Commentair Qty.:

9.27 VERGE(s)/Unit

Wrightlon 5200 Bleu P3

5.0 AC0885

11.4 VERGE(s)/Unit

Feutre de drainage N° Airweave N 10

Commentair Qty.:

6.00 VERGE(s)/Unit Total: 6.00 VERGE(s)

AC0943 6.0

7.00 VERGE(s)/Unit

Stretchlon 200 poche à vide Vert

Commentair Qty.:

7.00 VERGE(s) Total:

AMB0214 7.0 Commentair Qty.:

9.7 oz Weave "S" glass #FG-778150-125Y Volan Finish

11.4 VERGE(s)

9.7 oz Weave "S" glass #FG-778150-125Y Volan Finish

Total:

N° de Lot: 1-28778-1

Page 1

Form: rprocess

Date: Utilisateur: Mercredi, 2011-04-06 11:22:52

Pascal Carignan

Feuille de Procédé

Client: DART US DART AEROSPACE LTD

Numéro Job: 32551

Nom Dessin: SPACEPOD BODY RH

Numéro Article: DKC134-0071

Numéro Job:

Séq.:

Machine ou Opération:

Description:

AMB0349 8.0

0.80 VERGE(s)/Unit

Fiberglass 12 oz Unidirectional

WR1850 Roving 18oz. x 50"

Commentair Qty.:

Fiberglass 12 oz Unidirectional

0.80 VERGE(s) N° de Lot: 1 - 22549

AMB0213 9.0

Commentair Qty.:

0.350 KILOGRAMME(s)/Unit Total:

0.350 KILOGRAMME(s)

WR1850 Roving 18oz. x 50"

N° de Lot: 1-25778-

AC0886 10.0

Ruban à gommer jaune #: T/AT-200Y

Commentair Qty.:

4.0000 ROULEAU(s)/Unit

Total:

4.0000 ROULEAU(s)

11.0

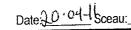
PREP-GENERAL

Préparation du matériel



Commentair Setup: 0.00Hrs/ Run: 45.0000Min Total Run: 0.7500Hrs

Tailler les tissus selon IF134-0020.



12.0

AMB0286

Catalyst N° DDM-9

Commentair Qty.:

0.0640 GALLON(s)/Unit Total: 0.0640 GALLON(s)

Catalyst N° DDM-9

N° de Lot:

Résine (411B7530) 411-350 promo. 75min.

13.0

AMB0212

2.000 LITRE(s)/Unit Total: 2.000 LITRE(s)

€≲ine (411B7530) 411-350 promo. 75min.

N° de Lot: 3054

AAC1540 14.0

Commentair Qty.:

Commentair Qty.:

0.0040 GALLON(s)/Unit

Total:

0.0040 GALLON(s)

Fibre de verre Miapoxy 66

N° de Lot:

15.0

PREP-GENERAL







Commentair Setup: 0.00Hrs/ Run: 5.0000Min Total Run: 0.0833Hrs

Laminer la 1ère coquille selon IF134-0020.

/Sceau:





16.0

AMB0355

ATC core-cell A500 plain 4'x8' 1" thick

Commentair Qty.:

0.750 FEUILLE(s)/Unit Total:

0.750 FEUILLE(s) N° de Lot:

17.0

AND 0212

Résine (411B7530) 411-350 premo. 75min.

0.200 LITRE(s)

Commentair Qty.:

0.200 LITRE(s)/Unit Total:

Résine (411B7530) 411-350 promo. 75min.

ATC core-cell A500 plain 4'x8' 1" thick

N° de Lot

Form: rprocess

Mercredi, 2011-04-06 11:22:52 Date: Pascal Carignan Feuille de Procédé Utilisateur: Nom Dessin: SPACEPOD BODY RH Client: DART US DART AEROSPACE LTD Numéro Article: DKC134-0071 Numéro Job: 32551 Numéro Job: Description: Machine ou Opération: # Séq.: Catalyst N° DDM-9 AMBQ286 18.0 0.0064 GALLON(s) 9.0064 GALLON(s)/Upit Total: Commentair Qty.: Catalyst N° DDM-9. 1Ѱ de Lot:₋ Polybond B46F AAC1611 19.0 0.010 KIT(s)/Unit Total: 0.010 KIT(s) Commentair Qty.: N° de Lot: Faire le taillage du matériel 20.0 Commentair Setup: 0.00Hrs/ Run: 120.0000Min Total Run: 2.0000Hrs Tailler et ajuster les Foam Core selon IF134-0020. Résine (411B7530) 411-350 promo. 75min. AMB0212 21.0 0.300 LITRE(s)/Unit Total: 0.300 LITRE(s) Commentair Qty.: N° de Lot: 1 - 3 0 5 49 - 1 Résine (411B7530) 411-350 promo. 75min. Catalyst N° DDM-9 AMB0286 22.0 0.0096 GALLON(s)/Unit Total: 0.0096 GALLON(s) Commentair Qty.: N° de Lot:_/ Catalyst N° DDM-9 Finition Générale 23.0 FINTION Commentair Setup: 0.00Hrs/ Run: 20.0000Min Total Run: 0.3333Hrs Sceller les foam core selon IF134-0020. Perçage de trous 24.0 Commentair Setup: 0.00Hrs/ Run: 0.0000Min Total Run: 0.0000Hrs Percer les foam core selon IF134-0020. Polybond B46F 25.0 Commentair Qty.: 0.078 KIT(s)/Unit Total: N° de Lot:_ Polybond B46F

Date: Utilisateur:

Mercredi, 2011-04-06 11:22:52

Pascal Carignan

Feuille de Procédé

Client: DART US DART AEROSPACE LTD

Nom Dessin: SPACEPOD BODY RH

Numéro Job: 32551

Numéro Article: DKC134-0071

Numéro Job:



Séq.:

Machine ou Opération:

Description:

26.0

ASSEMBLAGE

Assemblage mécanique





Commentair Setup: 0.00Hrs/ Run: 60.0000Min Total Run: 1.0000Hrs

Installer les foam core selon IF134-0020.







27.0

AAC1492

N° P-15-3, Adtech Micro Ultra Filler

Commentair Qty.: N° P-15-3, Adtech Micro Ultra Filler

0.050 GALLON(s)/Unit Total:

0.050 GALLON(s) 29667-1

28.0

FINITION

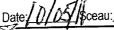
Finition Générale





Commentair Setup: 0.00Hrs/ Run: 30.0000Min Total Run: 0.5000Hrs

Usiner les foam core selon IF134-0020.







29.0

AMB0212

Résine (411B7530) 411-350 promo. 75min.

Commentair Qty.:

1.600 KILOGRAMME(s)/Unit

1.600 KILOGRAMME(s)

Résine (411B7530) 411-350 promo. 75min.

N° de Lot:

30.0

AMB0286

Catalyst N° DDM-9

Commentair Qty.:

0.0536 GALLON(s)/Unit

Catalyst N° DDM-9

N° de Lot:

Faire le laminage

31.0





Commentair Setup: 0.00Hrs/ Run: 90.0000Min Total Run: 1.5000Hrs

Laminer les plis de 9oz selon IF134-0020.





32.0

Trimage





Commentair Setup: 0.00Hrs/ Run: 60.0000Min Total Run: 1.0000Hrs

Faire le taillage selon IF134-0022.





ateer: Pas	cal Carignan	<u>Feuille de Procédé</u>	•
	DART US DART A	AEROSPACE LTD Nom Dessin: SPACEPOD BODY RH Numéro Article: DKC134-0071	
Numéro Job: méro Job:	32001		-
Séq.:	Machine ou Opéra	ration: Description :	
33.0	AMB0286	Catalyst N° DDM-9	
Commen	tair Qty.: 0.0144 Catalyst N° DD	4 GALLON(s)/Unit Total: 0.0144 GALLON(s) DM-9 N° de Lot: 2 2 5 9 -	
34.0	AAC1540	Fibre de verre Miapoxy 66	
Commen	tair Qty.: 0.0420 Fibre de verre N	0 GALLON(s)/Unit Total: 0.0420 GALLON(s) Miapoxy 66 N° de Lot: 1 7046 -	
35.0	AMB0212	Résine (411B7530) 411-350 promo. 75min.	
Commen		KILOGRAMME(s)/Unit Total: 0.450 KILOGRAMME(s) 7530) 411-350 promo. 75min. N° de Lot: 130828 – 4	
36.0	LAMINAGE	Faire le laminage	
Commer	tair Setup: 0.00Hrs	s/ Run: 55.0000Min Total Run : 0.9167Hrs	
001111101			
	Faire le lamina	age des derniers plis 9oz selon IF134-0020.	
	- 15/14	OCLASTER OCLASTER	
37.0	Date:	Sceau: (composition) Spacer N° D2213	
		IITE(s)/Unit Total: 1 UNITE(s)	
00	Spacer N° D22		
38.0	ASSEMBLAGE	Assemblage mécanique	
		rs/ Run: 45.0000Min Total Run: 0.7500Hrs	
Comme	ntan Setup 0.00mis	5/ (Vull. 45.0000) (III) (Ottal (Vall.) (Ottal (Val	
	Faire l'assemb	blage des inserts selon IG 0097.	
	101-3	Sceau: ODELASTEK COMPOSITIES 48	
	Date:	Sceau:	
39.0	AAC1021		
Comme	ntair Qty.: 0.5000 Dupont Primer		
40.0	AAC1101	N° 7775S, Dupont Activator - Reducer Chromabase	
	ntair Qty 0.028	83 UNITE(s)/Unit Total: 0.0283 UNITE(s)	
	N° 7775S, Du	upont Activator - Reducer Chromabase N° de Lot: 1-29/17-3	
41.0	PREP-GENERAL	Préparation du matériel	
C	ntair Cotus: 0 00	III IIIII Irs/ Run: 0.0000Min Total Run : 0.0000Hrs	
Comme	anan selup. 0.00mi	10/ (All 0.0000)	
	Préparer la pie	pièce selon IG 0008.	
		Date: Sceau:	
	Quantité:	Date:Sceau:	

Mercredi, 2011-04-06 11:22:53 Date: Feuille de Procédé Pascal Carignan Utilisateur: Nom Dessin: SPACEPOD BODY RH Client: DART US DART AEROSPACE LTD Numéro Article: DKC134-0071 Numéro Job: 32551 Numéro Job: Description: Machine ou Opération: # Séq.: Application primer 42.0 PRIMER Commentair Setup: 0.00Hrs/ Run: 0.0000Min Total Run: 0.0000Hrs Préparer et appliquer le prince selon IG 0008. # de fiche de mélange: Date: 1 Sceau: N° P-15-3, Adtech Micro Ultra Filler AAC1492 43.0 0.010 GALLON(s)
#del ot: 1-29667-1 0.010 GALLON(s)/Unit Commentair Qty.: Total: N° P-15-3, Adtech Micro Ultra Filler Finition Générale FINITION 44.0 Commentair Setup: 0.00Hrs/ Run: 90.0000Min Total Run: 1.5000Hrs Faire les réparations de finition s'il y a lieu selon IG 0008. Dupont Primer N° 7704S AAC1021 45.0 Total: 0.5000 UNITE(s) 0.5000 UNITE(s)/Unit Commentair Qty.: N° de Lot: /- 2 896/~2 Dupont Primer N° 7704S N° 7775S, Dupont Activator - Reducer Chromabase AAC1101 46.0 0.0283 UNITE(s) 0.0283 UNITE(s)/Unit Total: Commentair Qty.: N° de Lot: 1-29177-3 N° 7775S, Dupont Activator - Reducer Chromabase Application prime 47.0 Commentair Setup: 0.00Hrs/ Run: 0.0000Min Total Run: 0.0000Hrs Préparer et appliquer le prime la lG 0008. # de fiche de mélange: Date: 20 mai 1/Sceau Inspection finale 48.0 Commentair Setup: 0.00Hrs/ Run: 15.0000Min Total Run: 0.2500Hrs Faire l'inspection générale de la pièce selon le dessin par le département de la qualité.

Date:

Mercredi, 2011-04-06 11:22:53

Utilisateur:

Pascal Carignan

Feuille de Procédé

Nom Dessin: SPACEPOD BODY RH

Description:

Numéro Article: DKC134-0071

Client: DART US DART AEROSPACE LTD

Numéro Job: 32551

Séq.:

Mactine ou Opération:

49.0

Numéro Job:

EMBALLAGE

J

Emballage & Entreposage

Commentair Setup: 0.00Hrs/ Run: 0.0000Min Total Run: 0.0000Hrs

Faire l'emballage selon IG 0057.

Date: 24Mai 1) Sceau:

